

Irina Esterlis

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,891
citations

186265

28
h-index

189892

50
g-index

82
all docs

82
docs citations

82
times ranked

3772
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower synaptic density is associated with depression severity and network alterations. <i>Nature Communications</i> , 2019, 10, 1529.	12.8	277
2	The neuroinflammation marker translocator protein is not elevated in individuals with mild-to-moderate depression: A [11C]PBR28 PET study. <i>Brain, Behavior, and Immunity</i> , 2013, 33, 131-138.	4.1	180
3	$\hat{1}^2$ -Nicotinic Acetylcholine Receptor Availability During Acute and Prolonged Abstinence From Tobacco Smoking. <i>Archives of General Psychiatry</i> , 2009, 66, 666.	12.3	154
4	KETAMINE'S MECHANISM OF ACTION: A PATH TO RAPID-ACTING ANTIDEPRESSANTS. <i>Depression and Anxiety</i> , 2016, 33, 689-697.	4.1	150
5	The effects of ketamine on prefrontal glutamate neurotransmission in healthy and depressed subjects. <i>Neuropsychopharmacology</i> , 2018, 43, 2154-2160.	5.4	146
6	Altered metabotropic glutamate receptor 5 markers in PTSD: In vivo and postmortem evidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8390-8395.	7.1	107
7	Persistent $\hat{1}^2$ -Nicotinic Acetylcholinergic Receptor Dysfunction in Major Depressive Disorder. <i>American Journal of Psychiatry</i> , 2012, 169, 851-859.	7.2	100
8	A cost-analysis of adopting a healthful diet in a family-based obesity treatment program. <i>Journal of the American Dietetic Association</i> , 2002, 102, 645-656.	1.1	99
9	Sex Differences in Availability of $\hat{1}^2$ -Nicotinic Acetylcholine Receptors in Recently Abstinent Tobacco Smokers. <i>Archives of General Psychiatry</i> , 2012, 69, 418.	12.3	95
10	In Vivo Ketamine-Induced Changes in [11 C]ABP688 Binding to Metabotropic Glutamate Receptor Subtype 5. <i>Biological Psychiatry</i> , 2015, 77, 266-275.	1.3	82
11	Effects of age, BMI and sex on the glial cell marker TSPO – a multicentre [11C]PBR28 HRRT PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2329-2338.	6.4	70
12	Neurobiology of Chronic Stress-Related Psychiatric Disorders: Evidence from Molecular Imaging Studies. <i>Chronic Stress</i> , 2017, 1, 247054701771091.	3.4	63
13	Lower $\hat{1}^2$ -Nicotinic Acetylcholine Receptor Availability in Smokers With Schizophrenia. <i>American Journal of Psychiatry</i> , 2012, 169, 326-334.	7.2	59
14	Multimodal Investigation of Network Level Effects Using Intrinsic Functional Connectivity, Anatomical Covariance, and Structure-to-Function Correlations in Unmedicated Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2018, 43, 1119-1127.	5.4	57
15	PTSD is associated with neuroimmune suppression: evidence from PET imaging and postmortem transcriptomic studies. <i>Nature Communications</i> , 2020, 11, 2360.	12.8	56
16	Changes in the Cholinergic System between Bipolar Depression and Euthymia as Measured with [123I]5IA Single Photon Emission Computed Tomography. <i>Biological Psychiatry</i> , 2013, 74, 768-776.	1.3	52
17	Cerebellar and Prefrontal Cortical Alterations in PTSD: Structural and Functional Evidence. <i>Chronic Stress</i> , 2018, 2, 247054701878639.	3.4	51
18	In vivo evidence of lower synaptic vesicle density in schizophrenia. <i>Molecular Psychiatry</i> , 2021, 26, 7690-7698.	7.9	51

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19	In vivo variation in same-day estimates of metabotropic glutamate receptor subtype 5 binding using [¹¹ C]ABP688 and [¹⁸ F]FPEB. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2716-2727.	4.3	49
20	Imaging of cerebral $\alpha 4\beta 2^*$ nicotinic acetylcholine receptors with (α)-[¹⁸ F]Flubatine PET: Implementation of bolus plus constant infusion and sensitivity to acetylcholine in human brain. <i>NeuroImage</i> , 2016, 141, 71-80.	4.2	48
21	PET imaging of $\alpha 7$ nicotinic acetylcholine receptors: a comparative study of [¹⁸ F]ASEM and [¹⁸ F]DBT-10 in nonhuman primates, and further evaluation of [¹⁸ F]ASEM in humans. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1042-1050.	6.4	47
22	Metabotropic Glutamate Receptor 5 and Glutamate Involvement in Major Depressive Disorder: A Multimodal Imaging Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 449-456.	1.5	47
23	Effect of a Nicotine Vaccine on Nicotine Binding to $\alpha 2^*$ -Nicotinic Acetylcholine Receptors In Vivo in Human Tobacco Smokers. <i>American Journal of Psychiatry</i> , 2013, 170, 399-407.	7.2	44
24	In Vivo Evidence for $\alpha 2$ Nicotinic Acetylcholine Receptor Subunit Upregulation in Smokers as Compared With Nonsmokers With Schizophrenia. <i>Biological Psychiatry</i> , 2014, 76, 495-502.	1.3	41
25	Beta2* nicotinic acetylcholine receptors modulate pain sensitivity in acutely abstinent tobacco smokers. <i>Nicotine and Tobacco Research</i> , 2010, 12, 535-539.	2.6	35
26	Use of Electronic Cigarettes Leads to Significant Beta2-Nicotinic Acetylcholine Receptor Occupancy: Evidence From a PET Imaging Study. <i>Nicotine and Tobacco Research</i> , 2018, 20, 425-433.	2.6	35
27	Metabotropic Glutamatergic Receptor 5 and Stress Disorders: Knowledge Gained From Receptor Imaging Studies. <i>Biological Psychiatry</i> , 2018, 84, 95-105.	1.3	35
28	In vivo evidence for dysregulation of mGluR5 as a biomarker of suicidal ideation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11490-11495.	7.1	34
29	Quantification of Smoking-Induced Occupancy of $\alpha 2$ -Nicotinic Acetylcholine Receptors: Estimation of Nondisplaceable Binding. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1226-1233.	5.0	33
30	Imaging Changes in Synaptic Acetylcholine Availability in Living Human Subjects. <i>Journal of Nuclear Medicine</i> , 2013, 54, 78-82.	5.0	33
31	Minimal effects of prolonged smoking abstinence or resumption on cognitive performance challenge the "self-medication" hypothesis in schizophrenia. <i>Schizophrenia Research</i> , 2018, 194, 62-69.	2.0	26
32	$\alpha 2$ -Amyloid, APOE and BDNF Genotype, and Depressive and Anxiety Symptoms in Cognitively Normal Older Women and Men. <i>American Journal of Geriatric Psychiatry</i> , 2016, 24, 1191-1195.	1.2	25
33	Imaging the effect of ketamine on synaptic density (SV2A) in the living brain. <i>Molecular Psychiatry</i> , 2022, 27, 2273-2281.	7.9	25
34	Neuroimaging insights into the role of cortical GABA systems and the influence of nicotine on the recovery from alcohol dependence. <i>Neuropharmacology</i> , 2011, 60, 1318-1325.	4.1	24
35	Macro- and Microscale Stress-Associated Alterations in Brain Structure: Translational Link With Depression. <i>Biological Psychiatry</i> , 2021, 90, 118-127.	1.3	24
36	Tobacco smoking interferes with GABA _A receptor neuroadaptations during prolonged alcohol withdrawal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18031-18036.	7.1	21

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37	Evaluation of the sensitivity of the novel ^{18}F -NCFHEB to increases in synaptic acetylcholine levels in rhesus monkeys. <i>Synapse</i> , 2014, 1, 2 68, 556-564.	1.2	21
38	Sex-specific differences in GABA _A -benzodiazepine receptor availability: relationship with sensitivity to pain and tobacco smoking craving. <i>Addiction Biology</i> , 2013, 18, 370-378.	2.6	20
39	Trajectories of depressive and anxiety symptoms in older adults: a 6-year prospective cohort study. <i>International Journal of Geriatric Psychiatry</i> , 2018, 33, 405-413.	2.7	20
40	Imaging Tobacco Smoking with PET and SPECT. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 24, 1-17.	1.7	20
41	Simplified Quantification of ^{11}C -UCB-J PET Evaluated in a Large Human Cohort. <i>Journal of Nuclear Medicine</i> , 2021, 62, 418-421.	5.0	19
42	GABA _A -benzodiazepine receptor availability in smokers and nonsmokers: Relationship to subsyndromal anxiety and depression. <i>Synapse</i> , 2009, 63, 1089-1099.	1.2	18
43	Preliminary evidence concerning the pattern and magnitude of cognitive dysfunction in major depressive disorder using cogstate measures. <i>Journal of Affective Disorders</i> , 2017, 218, 82-85.	4.1	18
44	Acute cognitive effects of single-dose intravenous ketamine in major depressive and posttraumatic stress disorder. <i>Translational Psychiatry</i> , 2021, 11, 205.	4.8	18
45	Identifying brain networks in synaptic density PET (^{11}C -UCB-J) with independent component analysis. <i>NeuroImage</i> , 2021, 237, 118167.	4.2	18
46	Ketamine Normalizes the Structural Alterations of Inferior Frontal Gyrus in Depression. <i>Chronic Stress</i> , 2020, 4, 247054702098068.	3.4	18
47	Evaluation of [^{18}F]-(-)-norchlorofluorohomoepibatidine ([^{18}F]-(-)-NCFHEB) as a PET radioligand to image the nicotinic acetylcholine receptors in non-human primates. <i>Nuclear Medicine and Biology</i> , 2015, 42, 570-577.	0.6	17
48	Depression and Cognitive Dysfunction in Older U.S. Military Veterans: Moderating Effects of BDNF Val66Met Polymorphism and Physical Exercise. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 959-967.	1.2	16
49	Lower prefrontal cortical synaptic vesicle binding in cocaine use disorder: An exploratory ^{11}C -UCB-J positron emission tomography study in humans. <i>Addiction Biology</i> , 2022, 27, e13123.	2.6	16
50	Brain ^{18}F -nicotinic acetylcholine receptor occupancy after use of a nicotine inhaler. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 389-398.	2.1	15
51	SPECT imaging of nicotinic acetylcholine receptors in nonsmoking heavy alcohol drinking individuals. <i>Drug and Alcohol Dependence</i> , 2010, 108, 146-150.	3.2	13
52	Measuring the effects of ketamine on mGluR5 using [^{18}F]FPEB and PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2254-2264.	4.3	13
53	Evaluation of the Nicotinic Acetylcholine Receptor-Associated Proteome at Baseline and Following Nicotine Exposure in Human and Mouse Cortex. <i>ENeuro</i> , 2016, 3, ENEURO.0166-16.2016.	1.9	13
54	<i>CHRNA4</i> and <i>ANKK1</i> Polymorphisms Influence Smoking-Induced Nicotinic Acetylcholine Receptor Upregulation. <i>Nicotine and Tobacco Research</i> , 2016, 18, 1845-1852.	2.6	12

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55	FDG PET imaging of vascular inflammation in post-traumatic stress disorder: A pilot caseâ€“control study. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 688-694.	2.1	10
56	Effect of age on brain metabotropic glutamate receptor subtype 5 measured with [18F]FPEB PET. <i>NeuroImage</i> , 2021, 238, 118217.	4.2	10
57	PET Imaging of Synaptic Vesicle Protein 2A. , 2021, , 993-1019.		10
58	Support of the Population Within the Russian-Ukrainian war: Insiderâ€™s Perspective. <i>Chronic Stress</i> , 2022, 6, 247054702211018.	3.4	9
59	Imaging synaptic density in depression. <i>Neuropsychopharmacology</i> , 2023, 48, 186-190.	5.4	8
60	Evaluation of (¹⁸ F)F ₂ lutinate-specific binding: Implications for reference region approaches. <i>Synapse</i> , 2018, 72, e22016.	1.2	7
61	Longitudinal imaging of metabotropic glutamate 5 receptors during early and extended alcohol abstinence. <i>Neuropsychopharmacology</i> , 2021, 46, 380-385.	5.4	7
62	Lower synaptic density is associated with psychiatric and cognitive alterations in obesity. <i>Neuropsychopharmacology</i> , 2021, , .	5.4	7
63	Risk and resilience factors associated with traumatic loss-related PTSD in U.S. military veterans: Results from the National Health and Resilience in Veterans Study. <i>Psychiatry Research</i> , 2021, 298, 113775.	3.3	6
64	Accuracy of arterial [18F]-Fluorodeoxyglucose uptake quantification: A kinetic modeling study. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1578-1581.	2.1	5
65	PET Imaging Estimates of Regional Acetylcholine Concentration Variation in Living Human Brain. <i>Cerebral Cortex</i> , 2021, 31, 2787-2798.	2.9	5
66	Polygenic risk for traumatic loss-related PTSD in US military veterans: Protective effect of secure attachment style. <i>World Journal of Biological Psychiatry</i> , 2021, 22, 792-799.	2.6	5
67	The hidden burden of social anxiety disorder in U.S. military veterans: Results from the National Health and Resilience in Veterans Study. <i>Journal of Affective Disorders</i> , 2021, 291, 9-14.	4.1	5
68	F149. Preliminary Evidence for Altered Synaptic Density and a Possible Role for Accelerated Ageing in Individuals With MDD as Measured With [11C]UCB-J PET. <i>Biological Psychiatry</i> , 2018, 83, S296.	1.3	4
69	Psychological Resilience to the Challenges of Physical Aging in Older U.S. Veterans: Results From the 2019-2020 National Health and Resilience in Veterans Study. <i>American Journal of Geriatric Psychiatry</i> , 2021, 29, 1280-1285.	1.2	4
70	389. In Vivo Evidence of Lower Synaptic Density in Depression and Associated Mood and Cognitive Deficits: A [11C]UCB-J PET Imaging Study. <i>Biological Psychiatry</i> , 2017, 81, S159.	1.3	3
71	Nicotine dependence in US military veterans: results from the National Health and Resilience in Veterans Study. <i>Addiction Research and Theory</i> , 2020, 28, 160-164.	1.9	3
72	Investigating Age Related Associations of Metabotropic Glutamate Receptor 5 Density Using [18 F]FPEB and PET. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, S96-S97.	1.2	1

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73	First in vivo evaluations of synaptic density alterations in the brain. <i>Neuropsychopharmacology</i> , 2022, 47, 381-382.	5.4	1
74	[123I]5-IA-85380 SPECT imaging nicotine occupancy of brain α 2-nicotinic acetylcholine receptors after smoking low nicotine and nicotine-free cigarettes. <i>NeuroImage</i> , 2008, 41, T182.	4.2	0
75	Sex differences in nicotinic acetylcholine receptor availability in heavy alcohol drinkers. <i>NeuroImage</i> , 2008, 41, T183.	4.2	0
76	18. In Vivo Quantification of mGluR5 Availability in Posttraumatic Stress Disorder. <i>Biological Psychiatry</i> , 2017, 81, S8.	1.3	0
77	S13. IN VIVO EVIDENCE OF REDUCED SYNAPTIC VESICLE DENSITY IN SCHIZOPHRENIA USING [11C] UCB-J PET IMAGING. <i>Schizophrenia Bulletin</i> , 2019, 45, S310-S311.	4.3	0
78	Imaging the Effect of Ketamine on Synaptic (SV2A) Density. <i>Biological Psychiatry</i> , 2021, 89, S35.	1.3	0
79	First in Vivo Evidence of Lower Synaptic Density Marker in Obesity and the Relationship With Psychopathology. <i>Biological Psychiatry</i> , 2021, 89, S99.	1.3	0
80	Multimodal neuroimaging of metabotropic glutamate 5 receptors and functional connectivity in alcohol use disorder. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, , .	2.4	0